

CLAIMS

We claim:

1. A bath system, comprising:
 - a seat;
 - a frame disposed within a bath between a wall behind said seat and said seat, said frame further disposed between said seat and a bottom of said bath;
 - a guiding assembly disposed with said bath and between said wall behind a seat and said seat and attached to said frame; and
 - a lifting assembly adapted to move said seat between a lowered position and a raised position closer to a side wall of said bath and closer to said wall behind said seat than said lowered position.
2. The bath system of claim 1, wherein said seat is rotatable relative to said guiding assembly in said raised position.
3. The bath system of claim 1, the lifting assembly adapted to move said seat laterally and forwards between said raised position and said lowered position.
4. A bath system for moving a seat in a bath, the bath having a bath bottom, a side wall, and a wall behind the seat, comprising:
 - a guiding assembly disposed within the bath and between the wall behind the seat and the seat;
 - a frame disposed within the bath, wherein said frame is located between the wall behind the seat and the seat, said frame is further disposed between the seat and the bath bottom, and wherein said guiding assembly is attached to said frame; and
 - a lifting device for moving the seat between a raised position and a lowered position,wherein said raised position is laterally offset from said lowered position.
5. The bath system of claim 4,

wherein said guiding assembly simultaneously guides the seat between said lowered position and said raised laterally offset position from said lowered position towards the side wall of the bath and the wall behind the bath, and

wherein said raised laterally offset position is closer to the wall behind the seat and closer to the side wall than said lowered position.

6. The bath system of claim 4, said guiding assembly comprising:
a pair of channel members positioned with said frame.
7. The bath system of claim 6, wherein each of the pair of channel members have a substantially U-shaped cross-sectional configuration.
8. The bath system of claim 6, said guiding assembly further comprising:
a pair of side members, connected to the seat; and
a plurality of guide members, each connected to one of the pair of side members, and each configured to interengage with one of the pair of channel members.
9. The bath system of claim 8, each of the plurality of guide members comprising a roller.
10. The bath system of claim 4, wherein the guiding assembly, the frame, and the lifting device can be assembled in a mirror image.
11. A bath system adapted for use with a bath having a side wall, comprising:
a seat assembly having a seat back;
a guiding assembly for guiding movement of said seat assembly between a lowered position and a raised position toward the side wall of the bath; and
a lifting device for moving said seat assembly, wherein
said seat back is movable between an operating position and an access position to allow access to said guiding assembly and said lifting device.
12. The bath system of claim 11, wherein:
said seat assembly is pivotable from said guiding assembly.

13. The bath system of claim 11, further comprising:
a force compensation system to move said frame away from the bath to allow access to the bath adjacent to said frame.
14. The bath system of claim 11, further comprising:
a rotation assembly, wherein said rotation assembly is connected to said guiding assembly, such that the seat assembly can be rotated relative to the frame, guiding assembly, and lifting device.
15. The bath system of claim 11, wherein:
said seat assembly includes a telescopic arm.
16. A bath system adapted for use with a bath having a side wall, comprising:
a frame sized to be received in the bath;
a seat assembly having a seat back;
a guiding assembly connected to said frame and for guiding movement of said seat assembly between a lowered position and a raised laterally offset position toward the side wall of the bath; and
a lifting device for moving said seat assembly,
wherein said seat assembly is rotatable relative to the guiding assembly.
17. The bath system of claim 16, wherein said guiding assembly comprises:
a pair of channel members.
18. The bath system of claim 16, wherein:
said frame is located between a wall behind the seat assembly and the seat assembly, and
said guiding assembly is attached to said frame.
19. The bath system of claim 18, wherein:
said frame is positioned in the bath using a plurality of fasteners.
20. A bath system adapted for use with a bath having a side wall, comprising:
a frame sized to be received in the bath;

a seat assembly having a seat back;
a guiding assembly connected to said frame and for guiding movement of said seat assembly between a lowered position and a raised position from said lowered position;
a lifting device in association with said guiding assembly for moving said seat assembly;
a hydraulic fluid; and
a source for generating a constant pressure on said hydraulic fluid, wherein said lifting device uses said hydraulic fluid for moving said guiding assembly.

21. The bath system of claim 20, wherein said raised position is above, behind, and laterally offset to said lowered position.

22. The bath system of claim 20, wherein:
said lifting device is connected between said guiding assembly and said frame.

23. The bath system of claim 20, further comprising:
a force on said seat assembly hindering said seat assembly from moving to said lowered position; and
a force compensation system to allow the bath system to compensate for said force.

24. A bath system for moving a seat in a bath, the bath having a side wall and a wall behind the seat, comprising:

a guiding assembly disposed within the bath and between the wall behind the seat and the seat;

a lifting device in association with said guiding assembly for moving the seat between a raised position and a lowered position; and

a remote control system, wherein said remote control system activates said lifting device,

wherein said guiding assembly moves the seat between said lowered position and said raised position from said lowered position.

25. The bath system of claim 24, wherein

said remote control system includes a wireless transmitter and a wireless receiver.

26. The bath system of claim 25, wherein
said wireless transmitter is sealed within a container.

27. The bath system of claim 24, further comprising:
a hydraulic fluid having a pressure; and
a pressure generation mechanism to control said pressure of said hydraulic fluid, wherein said lifting device uses said hydraulic fluid to move the seat.

28. The bath system of claim 27, wherein said pressure generation mechanism comprises an accumulator.

29. The bath system of claim 27, wherein said pressure generation mechanism comprises:
a pump for pressurizing said hydraulic fluid; and
a pressure switch for controlling the operation of said pump.

30. The bath system of claim 27, wherein said pressure generation mechanism can be located remote from the bath.

31. A bath system for moving a seat in a bath and adapted for use with a structural member, the bath having a bath bottom, a side wall, and a wall behind the seat, comprising;
a guiding assembly disposed within the bath and between the wall behind the seat and the seat;
a frame hinged from the structural member and disposed within the bath, wherein said frame is located between the wall behind the seat and the seat, said frame is further disposed between the seat and the bath bottom; and
a lifting device for moving the seat between a raised position and a lowered position,
wherein the raised position is closer to the wall behind the seat and closer to the side wall than the lowered position.

32. The bath system of claim 31, wherein the structural member is the bath.
33. The bath system of claim 31, wherein the structural member is a wall adjacent to the bath.
34. The bath system of claim 31, wherein said lifting device allows said frame to move away from said bath bottom when said seat is hindered from moving to said lowered position.
35. The bath system of claim 31, said guiding assembly comprising:
a pair of channel members positioned with said frame; and
a plurality of guide members, each configured to interengage with one of the pair of channel members.
36. A bath system for moving a seat in a bath and adapted for use with a structural member, the bath having a bath bottom and a wall behind the seat, comprising:
a guiding assembly disposed within the bath;
a frame disposed within the bath, wherein said frame is located between the wall behind the seat and the seat, said frame is further disposed between the seat and the bath bottom, and wherein said guiding assembly is attached to said frame;
a lifting device for moving the seat between a raised position and a lowered position; and
a force compensation system to compensate with said lifting device when said seat is hindered from moving to said lowered position
wherein the raised position is closer to the wall behind the seat than the lowered position.
37. The bath system of claim 36, wherein the structural member is the bath.
38. The bath system of claim 36, wherein the structural member is a wall adjacent to the bath.
39. The bath system of claim 36, wherein said force compensation system comprising said frame hinged from the structural member and said lifting device moves said

frame away from said bath bottom when said seat is hindered from moving to said lowered position.

40. The bath system of claim 36, further comprising a force on said seat hindering said seat from moving to said lowered position, wherein said force compensation system compensates for said force.

41. The bath system of claim 36, wherein said lifting device is connected between said guiding assembly and said frame.

42. The bath system of claim 36, wherein said guiding assembly comprises:
a pair of channel members positioned with said frame.

43. The bath system of claim 42, the guiding assembly further comprising:
a plurality of guide members, each configured to interengage with one of the pair of channel members.

44. A bath system for moving a seat in a bath and adapted for use with a structural member, the bath having a bath bottom, a side wall, and a wall behind the seat, comprising;
a guiding assembly disposed within the bath and between the wall behind the seat and the seat;
a frame fastened to the structural member and disposed within the bath, wherein said frame is located between the wall behind the seat and the seat, said frame is further disposed between the seat and the bath bottom, and wherein said guiding assembly is attached to said frame; and
a lifting device for moving the seat between a raised position and a lowered position,
wherein the raised position is closer to the wall behind the seat and closer to the side wall than the lowered position.

45. The bath system of claim 44, wherein said guiding assembly comprises:
a pair of channel members positioned with said frame.

46. The bath system of claim 45, the guiding assembly further comprising:

a plurality of guide members, each configured to interengage with one of the pair of channel members.

47. The bath system of claim 44, further comprising:

a plurality of fasteners, said frame fastened to the structural member with said plurality of fasteners,

wherein at least one of said fasteners is a blind fastener.

48. The bath system of claim 44, wherein the structural member is the bath.

49. The bath system of claim 44, wherein the structural member is a wall adjacent to the bath.

50. The bath system of claim 44, wherein said lifting device is connected between said guiding assembly and said frame.